



## Listening to FM and AM Broadcasts

### Basic Tuner Operations

To	Press	
		On the System      On the remote
Set the AM tuner intervals to 9 kHz spacing	Press and hold DOWN  then press	Press and hold DOWN  then press  when the System is on standby.
Set the AM tuner intervals to 10 kHz spacing	Press and hold UP  then press	Press and hold UP  then press  when the System is on standby.
Select FM or AM		LINE
Select a frequency	or	or
Tune in to a preset station	—	or
Change the FM reception mode (When an FM stereo broadcast is hard to receive or noisy)	—	

### Presetting Stations

You can preset 30 FM and 15 AM stations manually.

- 1 Tune in to a station you want to preset.
  - You can also store the monaural reception mode for FM preset stations if selected.
- 2 Press to activate the preset number entry mode.
- 3 Press repeatedly to select a preset number for the station you store.
- 4 Press to store the station.

### NOTE

When you unplug the AC power cord or if a power failure occurs, the preset stations will be erased in a few hours.

## Setting the Clock and Daily Timer

### Setting the Clock

Without setting the built-in clock, you cannot use Daily Timer and Sleep Timer. "0:00" flashes on the main display until you set the clock.

- 1 Press to activate the clock setting mode.
  - If you have already adjusted the clock before, press the button repeatedly until the clock setting mode is selected.
- 2 Adjust the hour, then the minute.

To exit from the clock setting, press CLOCK/TIMER as required.

To go back to the previous step, press CANCEL.

### Setting the Daily Timer

Using Daily timer, you can wake up with your favorite music.

You can store three Daily Timer settings; however, you can activate only one of Daily Timers.

- 1 Press repeatedly to select one of the timer setting modes you want to set—DAILY 1 ON time, DAILY 2 ON time, or DAILY 3 ON time—as follows:
  - DAILY 1 Timer → DAILY 1 → ON (Time) → DAILY 2 → ON (Time) → DAILY 3 → ON (Time)
  - Canceled
  - Clock setting mode (See above.)
- 2
  - Adjust the hour then the minute for on-time.
  - Adjust the hour then the minute for off-time.
  - Select the playback source—"TUNER-FM," "TUNER-AM," "DISC," "LINE," or "USB."
  - For "FM/AM": Select a preset channel.
  - For "LINE": Make the connected device ready for playback.
  - Select the volume level.
    - You can select the volume level ("VOLUME 0" to "VOLUME 31" and "VOLUME --"). If you select "VOLUME --", the volume is set to the last level when the System is turned off.
- 3 Turn off the System (on standby).
  - When the on-time of the daily timer comes, the System sets the volume level gradually to the preset level after about 10 seconds.

To exit from the timer setting, press CLOCK/TIMER as required.

To correct a misentry during the process, press CANCEL. You can return to the previous step.

### To Turn Off the Daily Timer

- 1 Press repeatedly to select "DAILY 1," "DAILY 2," or "DAILY 3."
- 2 CANCEL

To turn on the Daily Timer again, select one of the timer settings by pressing CLOCK/TIMER, then press SET.

## Learning More about This System

### Basic and Common Operations (see page 3)

- Pressing one of the source buttons also turns on the System and starts playing back.

### Playing Back a Disc/USB Mass Storage Class Device (see page 4)

- This System cannot play "packet write" discs.
- For MP3/WMA playback...
  - In this manual, "file" and "track" are interchangeably used for MP3/WMA operations.
  - This System can show the Tag data (Version 1).
  - MP3/WMA discs are required a longer readout time than regular CDs. (It depends on the complexity of the group/file configuration.)
  - Some MP3/WMA files cannot be played back and will be skipped. This result from their recording processes and conditions.
  - When making MP3/WMA discs, use ISO 9660 Level 1 or Level 2 for the disc format.
  - This System can play back MP3/WMA files with the extension code <.mp3> or <.wma> (regardless of the letter case—upper/lower).

- It is recommended that you make each MP3/WMA file at a sampling rate of 44.1 kHz and at bit rate of 128 kbps. This System cannot play back files made at bit rate of less than 64 kbps.

- Playback order of MP3/WMA tracks may be different from the one you have intended while recording. If a folder does not include MP3/WMA tracks, they are ignored.

- For the USB mass storage class device playback...
  - When connecting a USB mass storage class device, also refer to its manual.
  - Connect one USB mass storage class device to the System at a time. Do not use a USB hub.
  - This System is compatible with USB 2.0 Full Speed.
  - You can play back MP3/WMA files in a USB mass storage class device (maximum data transfer rate: 2 Mbps).
  - You cannot play back a file larger than 2 Gigabyte.
  - This System cannot recognize a USB mass storage class device whose rating is other than 5 V and does not exceed 500 mA.
  - This System may not play back some USB mass storage class devices and does not support DRM (Digital Rights Management).

- This System can recognize up to 511 tracks in a disc/USB mass storage class device. Also, the System can recognize up to 150 tracks per group and up to 99 groups in a disc/USB mass storage class device (for MP3/WMA).

- Playable files which do not belong to any groups are handled as Group 1.

### Setting the Clock and Daily Timer (see page 5)

- You can set the clock and Daily Timer while the Save mode is turned on. While setting the clock or Daily Timer, the display is turning on.

### Timer Priority

- The clock may gain or lose 1 to 2 minutes per month. If this happens, readjust the clock.
- When you unplug the AC power cord or if a power failure occurs, the clock and the timer will be canceled. You need to set the clock first, then the timer again.

### Listening to Digital Audio Player (see page 6)

- When the sound signal from the Digital Audio Player is too weak, QP Link may not function correctly.

- In this case, turn up the volume of the Digital Audio Player so that the System can detect the sound signal properly.

- Changing from "LINE" to another source while QP Link works will deactivate QP Link temporarily.

- In this case, the following reactivate QP Link:
  - Pressing and holding QP LINK on the remote control.
  - When no sound signal comes from the LINE IN jack for about 30 seconds after the System is turned off.

- If you press to turn the System off or if preset Timer turns the System off while QP Link works, the System deactivates QP Link temporarily. In such cases, the following reactivate QP Link:
  - When no sound signal comes from the LINE IN jack for about 30 seconds after the System is turned off.
  - When you turn on the power again.

- No sound is heard.
  - Speaker connections are incorrect or loose.
  - Headphones are connected.

### The System does not work properly.

- Many functions of this System are implemented by microcomputers. If pressing any button does not result in the normal action, disconnect the AC power cord from the wall outlet, wait for a while, and connect the cord again.

### Disc/USB Mass Storage Class Device Operations

#### The disc/USB mass storage class device does not play.

- The disc is placed upside down. Place the disc with the label side up.

- The disc is recorded with the "packet writing (UDF file system)." It cannot be played. Check the files you want to play back.

- The USB mass storage class device is not connected properly.

## Troubleshooting

If you are having a problem with your System, check this list for a possible solution before calling for service.

### General

#### Power does not come on.

- The power plug is not inserted securely. Plug in securely.

#### Adjustments or settings are suddenly canceled before you finish.

- There is a time limit. Repeat the procedure again.

#### Operations are disabled.

- The built-in microprocessor may malfunction due to external electrical interference. Unplug the AC power cord and then plug it back in.

#### Unable to operate the System from the remote control.

- The path between the remote control and the remote sensor on the System is blocked.

- The batteries are exhausted.

#### The USB mass storage class device sound stops.

- Noise and static electricity may stop the sound. In this case, disconnect and connect the USB mass storage class device again after turning off the System.

#### The disc tray does not open or close.

- The AC power cord is not plugged in.

- Disc ejection is prohibited (see page 4).

#### Radio Operations

##### Hard to listen to broadcasts because of noise.

- Antennas connections are incorrect or loose.

- The AM loop antenna is too close to the System.

- The FM antenna is not properly extended and positioned.

- Electrostatic discharge from your body may cause noise. If this happens, turn off and on the System again.

#### Timer Operations

##### Daily Timer does not work.

- The System has been turned on when the on-time comes. Timer starts working only when the System is turned off.

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### CD player section

#### Dynamic range:

- 88 dB

#### Signal-to-noise ratio:

- 85 dB

#### Wow and flutter:

- Inmeasurable

### Specifications

#### Amplifier section

##### OUTPUT POWER:

- 40 W (2